

NTP SUMMARIES

This section describes each of the Northern Telecom publications (NTPs) in the Meridian 1 library. The task symbols below identify the publication's primary audience.



ENGINEERING



INSTALLATION



SYSTEM ADMINISTRATION



MAINTENANCE

CORE HARDWARE AND SOFTWARE

Electronic Switched Network description (309-3001-100)

Manual P0868068

introduces ESN, a private communications network intended for large businesses with distributed operating locations. Concepts described include network class of service, network alternate route selection, network control, network signaling, routing control, call back queuing, off hook queuing, network authorization codes, coordinated dialing plan, and network traffic measurements.

Electronic Switched Network signaling guidelines (309-3001-180)

Manual P0868068

describes the signaling guidelines and considerations that apply to ESN networks. The information helps to determine the compatibility of a switch for an ESN network.

Electronic Switched Network transmission guidelines (309-3001-181)

Manual P0868068

describes the major transmission considerations in planning for an ESN. Topics include transmission planning and performance for on-network calls, tandem combinations of public and private network trunks, and remote network access.

QPC422 Tone Detector Card description (553-2001-191)

Manual P0868058

outlines the characteristics and operation of the QPC422 Tone Detector Card.

Software conversion procedures (553-2001-320) Manual P0868060;

Spiral P0868046

explains how to upgrade X11 release 8 or 9 to X11 release 10, and X11 release 10 to a later release. It also explains software conversions within a single release.

Transmission testing capabilities description and operation (553-2001-325) Manual P0868058

describes the trunk transmission testing capabilities—100-test line termination and loop-around termination—available on Meridian 1 systems equipped with X11 release 2 and later software.

Traffic measurement formats and output (553-2001-450) Manual P0868062

provides detailed information on how the Meridian 1 collects and reports traffic data, and what data it collects, including types of calls, call completion rates, call failures, and waiting periods.

M1250 and M2250 Attendant Consoles description (553-2201-117) Manual P0868059

describes the features and operation of these attendant consoles, which assist the attendant in placing and extending calls into and out of a Meridian 1 system.

XN, XT Network Module expansion (553-2201-156) Manual P0868060

provides a general description and installation procedures for the Network Group Expansion Interface Assembly, which allows one or two network groups to be housed in Meridian 1 Network Modules.

Digital telephone line engineering (553-2201-180) Manual P0868058

provides detailed procedures for ensuring the successful installation of digital telephones on a loop.

Summary of transmission parameters (553-2201-182) Manual P0868058

includes topics on a loss plan for μ -Law applications, μ -Law transmission characteristics, A-Law transmission characteristics, and transmission parameters for Meridian Modular Telephones.

**Background Terminal Facility description (553-2311-316)
Manual P0868067**

provides information on how to use a background terminal to enter, retrieve, and modify data associated with Automatic Wake-Up, Room Status, Message Registration, and Call Party Name Display. It also includes information on terminal setup, configuration, maintenance, and error messages.

**Remote Peripheral Equipment description, installation, and testing
(553-2601-200) Manual P0868061**

provides comprehensive information on RPE, which increases the 15 m (50 ft) range of the loop between common equipment (CE) and peripheral equipment (PE) shelves in a Meridian 1 system.

**QCA144 1.5 Mb/ s Remote Peripheral Equipment Cabinet description,
installation and testing (553-2601-200, Appendix 1)
Manual P0868061**

provides comprehensive information on RPE installed in a QCA144 RPE cabinet and in a QSD69 RPE shelf in either a remote or a local cabinet.

**Remote Peripheral Equipment maintenance procedures
(553-2601-500) Manual P0868061**

provides information for locating, diagnosing, and repairing faults for the Meridian 1 RPE.

**QCA144 1.5 Mb/ s Remote Peripheral Equipment Cabinet Appendix A
maintenance and equipment replacement (553-2601-500A)
Manual P0868061**

describes maintenance and equipment replacement for the QCA144 RPE cabinet and related equipment.

**Call Detail Recording description and formats (553-2631-100)
Manual P0868062**

provides an overview of CDR, including a detailed description of data storage and retrieval, and sample report output.

**Automatic Call Distribution feature description (553-2671-110)
Manual P0868071**

describes the ACD agent, supervisor, and system features available in the following packages: Base ACD (BACD), ACD basic features (ACD-A), ACD advanced features (ACD-B). Where appropriate, the descriptions include feature interactions, feature requirements, and operating parameters.

Automatic Call Distribution ACD management commands and reports (553-2671-112) Manual P0868071

describes how to use ACD load management commands to tailor the system, and how to request ACD activity reports.

Centralized Attendant Service description and engineering (553-2681-100) Manual P0868062

outlines CAS, its interactions with other features, equipment specification and operation, engineering requirements, and feature implementation.

**Message Center description and operation (553-2691-100)
Manual P0868067**

describes the equipment requirements, power supply installation, and feature interactions of the Message Center feature. It also describes the three types of Message Center: Automatic Call Distribution (ACD), SL-1 and Meridian digital telephones, and attendant.

**Message Registration description and operation (553-2701-101)
Manual P0868067**

describes Message Registration, a feature that meters local calls over designated central office trunks. It includes feature interactions, operating parameters, feature administration, hardware description, trunk circuit pack descriptions, reverse battery operation, background terminal command summary, and meter access.

**Flexible Tone and Digit Switch cards description (553-2711-180)
Manual P0868062**

explains Flexible Tones and Cadences (FTC) and Flexible TDS cards, and provides NT8D17 Conference/TDS tone tables.

Office Data Administration System description and engineering (553-2721-100) Manual P0868062

outlines the features provided in the ODAS package, which assists in Meridian 1 and attendant console record keeping.

Meridian Data Services description (553-2731-100) Manual P0868066

explains available dial-up data communications facilities: Local Terminal-to-Terminal, Terminal-to-Local Computer Port, Terminal-to-Remote Device, and Remote Terminal-to-Local Device. Information includes equipment, features, services, and implementation.

QPC723 RS-232 Interface Line Card description, installation, and operation (553-2731-106) Manual P0868066

describes the QPC723 RILC, the interconnection between the RILC, the data terminal equipment (DTE) or data communication equipment (DCE), and the Meridian 1 system. Information includes card installation and operation, and associated hardware requirements.

QMT21 High Speed Data Module description, installation, and operation (553-2731-107) Manual P0868066

describes the QMT21 HSDM, which provides an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDM features, troubleshooting procedures, specifications, and installation.

QPC918 High Speed Data Card description, installation, and operation (553-2731-108) Manual P0868066

describes the QPC918 HSDC, which provides an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDC features, troubleshooting procedures, specifications, and installation.

Meridian Communications Unit and Meridian Communications Adapter description, installation, administration, operation (553-2731-109) Manual P0868066

describes the MCU and MCA, which provide an RS-232C/V.35 interface between compatible synchronous or asynchronous data terminal equipment (DTE) and the Meridian 1 switching network. Information includes HSDC features, troubleshooting procedures, specifications, and installation.

Transparent Data Networking (553-2731-110) Manual P0868066

describes TDN, which allows end-to-end protocol exchange between two data modules that use end-to-end protocols such as T-Link and PSDS. TDN accesses Tie and DID trunks, and enables all types of calls to be tandemed across Meridian 1 switches. Information includes an overview, operating parameters, implementation, and operation.

Meridian data features traffic engineering and configuration (553-2731-151) Manual P0868066

provides configuration guidelines for implementing data features on Meridian 1 systems. Information includes data call characteristics, data calling traffic impact, and traffic and service facility tables that help you determine your system requirements.

Meridian SL-1 data feature installation Apple and Hewlett-Packard (553-2731-201) Manual P0868066

describes how to connect an Apple Macintosh and a Hewlett-Packard 3000ATP computer to a Meridian SL-1 switch, with or without a telephone.

Enhanced Asynchronous Interface Line Unit description and formats (553-2731-203) Manual P0868066

describes the EAILU, a compact EIA RS-232 to RS-422 cable line driver that provides terminal and host connectivity to the Meridian 1. Information includes compatible DTE devices, power requirements, maintenance, specifications, ordering information, installation, and testing.

**Meridian data features operation and tests (553-2731-300)
Manual P0868066**

describes how to operate the Meridian data station, how to test its online transmission performance, and how to troubleshoot the ASIM.

**Basic and Network Alternate Route Selection description
(553-2751-100) Manual P0868068**

introduces concepts necessary for creating a private telecommunications network with switches in different locations. Information includes network access codes, uniform dialing plan, dialing transparency, automatic least-cost routing, routing and network controls, digit manipulation, free calling area screening, and expensive route warning tone.

Network Queuing description (553-2751-101) Manual P0868068

introduces the queuing features and options available to switches that operate in a private network environment, including off hook queuing, call back queuing, coordinated call back queuing, and call back queuing to conventional mains.

**Coordinated Dialing Plan description (553-2751-102)
Manual P0868068**

provides information on how to coordinate a dialing plan for stations at a number of local Meridian 1 switches.

**Basic and Network Authorization Code description (553-2751-103)
Manual P0868068**

introduces the authorization code features in X11 software for general and networked applications, including authorization code validation, station-specific authorization code, authorization code administration, and attendant input of authorization code.

**Flexible Numbering Plan description, operation, and administration
(553-2751-105) Manual P0868062**

provides information for configuring, administering, and maintaining flexible numbering plan functionality.

Buffer Interface/ Protocol Converter description (553-2801-100) Manual P0868067

provides descriptions, interface circuits and protocols, installation and operating procedures, ordering information, and specifications for BIPC.

Property Management System Interface description (553-2801-101) Manual P0868067

provides feature, message control, and installation and configuration information for PMSI.

Digital Trunk Interface/ Computer-to-PBX Interface description (553-2811-100) Manual P0868068

provides information on the DTI feature, including its functions, operations, and associated hardware.

Digital Trunk Interface/ Computer-to-PBX Interface installation and data administration (553-2811-200) Manual P0868068

describes installation, data administration, and acceptance test procedures for the DTI/CPI features. It also includes the wire list for building cables of nonstandard lengths for DTI applications.

Digital Trunk Interface/ Computer-to-PBX Interface maintenance (553-2811-500) Manual P0868068

describes fault clearing and maintenance procedures for the Meridian 1 DTI feature, as well as clock controller operations, maintenance, messages, and cabling.

ISDN Primary Rate Interface description and administration (553-2901-100) Manual P0868068

introduces the ISDN and describes the features available on a Meridian 1 with ISDN PRI. Topics include an overview, PRI configuring, PRI service verification, coordinating PRI parameters, and engineering guidelines, as well as a description of specific PRI features.

**Feature Group D description and operation (553-2901-102)
Manual P0868068**

introduces FGD, an interface that provides access to corporate networks from off-net sources. Information includes description, feature interactions, operation, implementation, maintenance, and diagnostics.

**ISDN Primary Rate Interface installation (553-2901-200)
Manual P0868068**

provides installation procedures for PRI circuit cards, D-channel Interface (DCHI) cards, Multi-purpose Serial Data Link (MSDL) cards, clock controller cards, and ISDN Signaling Link equipment.

**ISDN Primary Rate Interface maintenance (553-2901-500)
Manual P0868068**

provides operation and maintenance procedures for ISDN PRI on the Meridian 1, including status check and startup procedures, fault clearing, maintenance commands, error detection, cabling, and system messages.

Library navigator (553-3001-000) Manual P0868057

provides an overview of the Meridian 1 library including library organization, new and updated library assembly procedures, task maps, NTP summaries, release descriptions, and the library index.

North American feature listing (553-3001-012) Manual P0868062

provides a complete list of all software features available on Meridian 1 systems, and indicates the source document(s) where descriptive information can be found.

**Fibre remote IPE description, installation, and maintenance
(553-3001-020) Manual P0868061**

describes the operation of the fibre-optic equipment that is used to support remote intelligent peripheral equipment (IPE). It provides a product description and detailed information on how to install, configure, test, and maintain this equipment as an integral part of the Meridian 1 system.

Carrier Remote IPE description, installation and maintenance (553-3001-021) Manual P0868061, Stand-alone P0818829

provides information specific to system options 21E through 81C for the implementation of the Carrier Remote IPE feature. It describes the operation of carrier remote equipment and provides specific information on how to install and maintain this equipment as an integral part of the PBX systems and system options.

Fiber Remote Multi-IPE Interface description, installation and maintenance (553-3001-022) Manual P0868061

provides information specific to the Meridian 1 implementation of fiber-optic links that connect the Meridian 1 system to multiple Remote IPE modules using a pair of Fiber Remote Multi-IPE Interface units.

Meridian 1 system overview (553-3001-100) Manual P0868058

explains the Meridian 1, its system options, system modules, and hardware and software architecture.

Upgrade overview (553-3001-101) Manual P0868060

contains an introduction to the technical and procedural information necessary to upgrade SL-1 and Meridian 1 systems to operate on the current release of X11 software. The information helps you engineer the system upgrade, install the upgrade hardware, and convert the software.

Meridian Integrated Conference Bridge (MICB) description, installation, administration and maintenance (553-3001-102) Manual P0868059

describes the operation of the MICB and provides specific information on how to install, maintain, and administer this feature and its associated equipment .

Meridian 1 line cards description (553-3001-105) Manual P0868058

describes the various line cards that are used with Meridian 1 option switches. It shows how the line cards fit into the Meridian 1 architecture, how they are used at the customer site, and how they are installed and programmed. Detailed technical specifications are given for each of the cards.

Meridian 1 trunk cards description (553-3001-106) Manual P0868058

describes the various trunk cards that are used with Meridian 1 option switches. It shows how the trunk cards fit into the Meridian 1 architecture, how they are used at the customer site, and how they are installed and programmed. Detailed technical specifications are given for each of the cards.

Meridian 1 serial data interface cards description (553-3001-107) Manual P0868058

describes the physical characteristics, specifications, installation, and maintenance for the NT8D41 SDI paddle board and the QPC841 QSDI, and QPC513 ESDI cards.

Meridian 1 telephones description and specifications (553-3001-108) Manual P0868058

provides feature, add-on module, and specification information for Meridian Modular Telephones, M3000 Touchphones, M2317 telephones, M2000 telephones, and SL-1 telephones.

Cabling guide (553-3001-109) Manual P0868058

provides detailed system engineering, cable routing, and connector assignments for the Meridian 1 system signal cabling, including Meridian Max and Meridian Mail. It also includes cables for upgrading systems from SL-1 to Meridian 1 option switches.

NT6D82 Power System description, installation, and maintenance (553-3001-110) Stand-alone P0800554

provides information for installing and maintaining the power system, as well as a general system description.

Digital Clock Controllers installation and operation (553-3001-111) Manual P0868059

describes Clock Controllers, focusing on installation and replacement procedures.

Meridian Integrated RAN (MIRAN) description, administration and operation (553-3001-112) Manual P0868059

describes the operation of the MIRAN product and provides specific information on how to administer this feature and associated equipment.

Meridian 1 installation planning (553-3001-120) Manual P0868058

provides guidelines for planning the Meridian 1 environment, including the equipment area, grounding and power, and cabling. Included is an installation outline and milestone chart, information on fire protection and safety requirements, environmental factors, site planning, and preparation for delivery and installation.

Meridian 1 capacity engineering (553-3001-149) Manual P0868058

provides information for properly engineering a Meridian 1 switch at initial installation, during an upgrade, and when traffic loads change significantly. It is also useful when evaluating a system upgrade.

Upgrade engineering (553-3001-150) Manual P0868060

provides engineering information for system upgrades to Meridian 1 options supported by the current release of X11 software. It includes sections on the upgrade selection process, each upgrade path, and power and ground engineering.

Meridian 1 system engineering (553-3001-151) Manual P0868058

provides guidelines for determining equipment requirements for a system installation, configuring and assigning system equipment, distributing traffic equally over the system components, and maintaining utilization levels when altering the system configuration.

Meridian 1 power engineering (553-3001-152) Manual P0868058

describes Meridian 1 AC-powered systems, DC-powered systems, and reserve power options for both; gives operating power requirements, including guidelines for calculating system power consumption; and provides guidelines for determining wire size for power connections.

Spares planning (553-3001-153) Manual P0868058

provides information, including hardware failure rates, to calculate and plan for spare (replacement) equipment.

**Meridian 1 equipment identification (553-3001-154)
Manual P0868058, Spiral P0868045**

specifies the equipment that can be ordered and used with Meridian 1 system options. Where appropriate, information includes the purpose, quantity required, and system compatibility.

**Product compatibility (553-3001-156) Manual P0868058;
Spiral P0868045**

summarizes, in a series of tables, system-level compatibility for software generics and releases, and individual hardware products on Meridian 1 and SL-1 systems.

**NT7D16 Data Access Card description and operation (553-3001-191)
Manual P0868066**

outlines the characteristics and operations of the NT7D16 DAC. Information includes operation, operating modes, specifications, and installation.

**Multi-purpose Serial Data Link description (553-3001-195)
Manual P0868059**

describes the MSDL card, its four full-duplex serial I/O ports, and its architecture. In addition, the manual describes how to install, maintain, and troubleshoot the MSDL card.

**Meridian 1 system installation procedures (553-3001-210)
Manual P0868060; Spiral P0868044**

provides installation and acceptance testing procedures for Meridian 1 system options.

Circuit card installation and testing (553-3001-211)
Manual P0868059; Spirals P0868044, P0868045

includes a general procedure for initially installing a circuit card, a list of compatible slots for circuit cards on specific Meridian 1 system options, option settings for PBX circuit cards that Northern Telecom supports, and acceptance tests for circuit cards that provide service functions, network control, and trunk connections.

Telephone and attendant console installation (553-3001-215)
Manual P0868059; Spiral P0868044

provides wiring information and installation and removal procedures for attendant consoles, telephones, and add-on modules.

Upgrade system installation through X11 release 21 (553-3001-250)
Manual P0868060

describes how to upgrade SL-1 and Meridian 1 systems running on prior releases of X11 software to currently supported Meridian 1 systems running on X11 release 21 software.

Upgrade system installation to X11 release 23 (553-3001-258)
Manual P0868060

describes how to upgrade SL-1 and Meridian 1 systems running on X11 release 18 and later software to currently supported Meridian 1 systems running on X11 release 23 software.

Disk drive upgrade procedures (553-3001-251) Manual P0868060

explains how to install a floppy disk unit (FDU), small-systems multi-disk unit (SMDU), or multi-disk unit (MDU) in Meridian 1 systems.

X11 software management (553-3001-300) Manual P0868064; Spiral P0868048

provides an overview of X11, the software platform of the SL-1. It also introduces the system management facilities provided with Meridian 1, including communication with the Meridian 1, system security, system reporting, and system management applications.

**X11 system management applications (553-3001-301)
Manual P0868064; Spiral P0868048**

describes the Meridian 1 system management applications, including an overview, operating parameters, interactions with other Meridian 1 features, packaging, implementation, and operations.

**X11 system security management (553-3001-302) Manual P0868064;
Spiral P0868048**

instructs Meridian 1 distributors and administrators how to detect possible unauthorized access to Meridian 1 and Meridian Mail and how to implement system-wide security features.

Set-based administration (553-3001-303) Manual P0868064

provides instructions for using the Set-based administration feature on Meridian 1 Options 21E through 81C. Set-based administration simplifies system installation and administration by enabling a set (telephone terminal) to be used to perform several administrative and maintenance procedures.

**X11 features and services (553-3001-305) Manual P0868062;
Spiral P0868050**

provides the following information for each software feature available with the X11 software: description, operating parameters, interactions with other features, packaging, implementation, and operations. It also includes an index by feature name, and a series of cross-reference tables and lists.

**Emergency Services Access product description and administration
(553-3001-313) Manual P0868064; Spiral P0868048**

provides information on the feature, available with X11 release 23, which introduces Private 911 functionality (required by federal legislation) on the Meridian 1.

**X11 input/ output guide (553-3001-400) Manual P0868065;
Spirals P0868049, P0868050**

serves as a reference guide for system administrators. It includes instructions for using administration and maintenance programs to configure and equip Meridian 1 features, as well as a comprehensive listing of system messages and their explanations.

**X11 system messages guide (553-3001-411) Manual P0868065;
Spiral P0868051**

documents system error message (e.g., BUG, SCH, AUD, etc.) meanings. Administrators should consult this guide when seeking to interpret and respond to an X11 system error message.

**Meridian 1 general maintenance information (553-3001-500)
Manual P0868059; Spiral P0868044**

provides the following maintenance information for Meridian 1 system options: guidelines for avoiding personal injury and equipment damage, methods for communicating with the system, requirements for servicing batteries and air filters, a description of hardware and software maintenance tools, and information on Northern Telecom Technical Assistance Centers and services.

**Meridian 1 fault clearing (553-3001-510) Manual P0868059;
Spiral P0868044**

provides instructions for locating and clearing faults in Meridian 1 system options.

**Meridian 1 hardware replacement (553-3001-520)
Manual P0868059; Spiral P0868044**

describes how to remove a faulty piece of equipment and replace it in Meridian 1 system options.

**Power monitor/ common equipment auxiliary shelves description and
installation (553-3001-570) Manual P0868060; Stand-alone P0800553**

provides a physical description, functional description, and installation procedures for the NT7D44 and NT7D45.

**Network ACD description and operation (553-3671-120)
Manual P0868071**

describes the ACD capabilities provided over an Integrated Services Digital Network (ISDN), and provides feature administration and operation information.

**ISDN Basic Rate Interface description (553-3901-100)
Manual P0868069**

describes Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI), including functional overview, operation, engineering guidelines, system planning and ordering, and features information.

**ISDN Basic Rate Interface installation (553-3901-200)
Manual P0868069**

describes how to prepare the site and equipment, where and how to install ISDN BRI network and peripheral equipment cards, and how to connect digital subscriber loops (DSLs) for Meridian 1 system options 21E, 51, 61, 71, and 81.

**ISDN Basic Rate Interface administration (553-3901-300)
Manual P0868069**

describes how to configure ISDN BRI equipment as a line application and with Meridian 1 packet handling capability, as well as setting up ISDN BRI traffic reports.

**ISDN Basic Rate Interface acceptance testing (553-3901-330)
Manual P0868069**

describes acceptance testing of ISDN BRI service on Meridian 1 system options 21E, 51, 61, 71, and 81, including preparing the system, testing BRI functions, and generating traffic reports.

**ISDN Basic Rate Interface maintenance (553-3901-500)
Manual P0868069**

describes BRI maintenance tools and procedures for identifying faults, locating defective units, correcting problems by fixing or replacing defective units, and verifying operations after corrections have been made.

MERIDIAN APPLICATIONS

This section describes each of the Northern Telecom Publications (NTPs) on hardware and software auxiliary processors in the Meridian 1 library. The task symbols below identify the publication's primary audience.



ENGINEERING



INSTALLATION



SYSTEM ADMINISTRATION

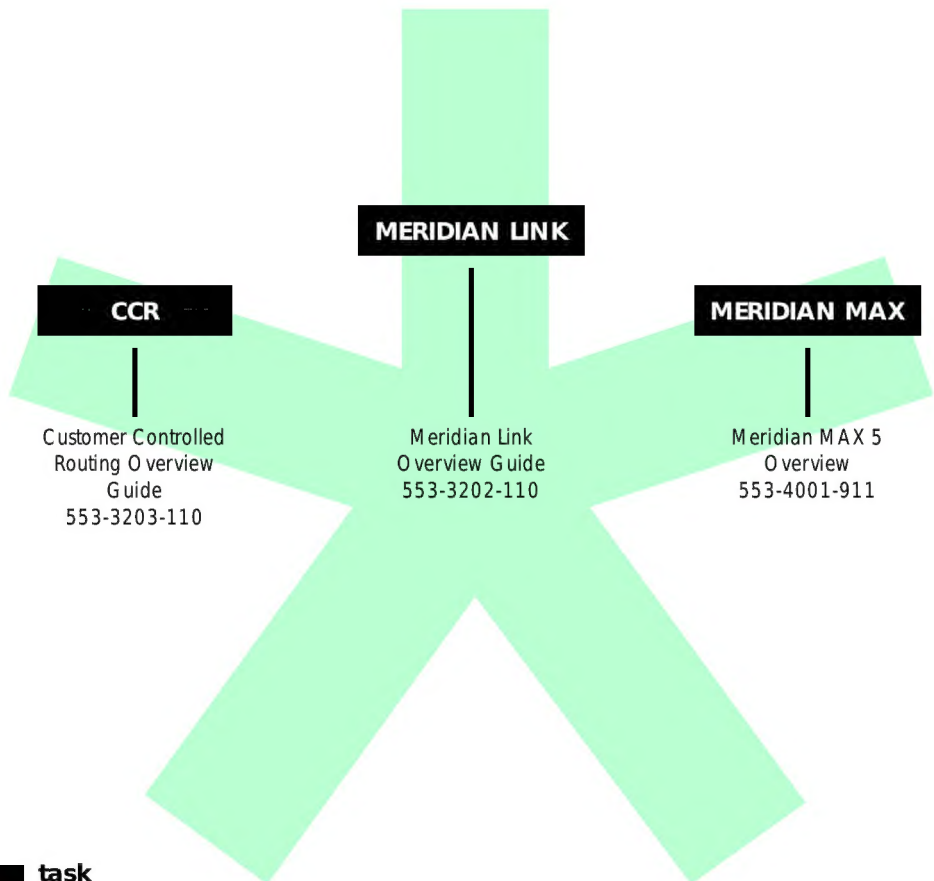


MAINTENANCE



APPLICATIONS

APPLICATIONS



-  **task**
-  **manuals**
-  **spirals**

Meridian Link Overview Guide (553-3202-110)

introduces the Application Module and the applications that run on it. It provides a high-level description of the Application Module, Meridian Link application, hardware, Application Equipment Module, and OA&M software.

Meridian Link Installation and Upgrade (553-3202-210)

provides a more detailed description of Application Module hardware and cable requirements. Installation procedures include hardware installation, connection to external equipment, configuration of peripheral devices, Meridian 1 configuration, Application Module start-up instructions, and Meridian Link configuration.

Meridian Link Diagnostic and Maintenance Guide (553-3202-510)

provides a summary of commands used for operations, administration, and maintenance (OA&M) of the Application Module, as well as commands used for maintenance of the links between the Application Module and Meridian 1 or a host computer (for the Meridian Link application). Fault clearing and error message chapters help you diagnose any problems with the Application Module or applications, and guide you to any necessary hardware replacement or software recovery procedures.

Meridian Link Advanced Maintenance Guide (553-3202-512)

describes the use of advanced diagnostic tools, which are used to troubleshoot technical problems with the Application Module.

Meridian Link/ CCR Engineering Guide (553-3203-151)

describes the engineering calculations for the Application Module, describes procedures for performing the calculations, and provides examples of calculations.

Customer Controlled Routing Overview Guide (553-3203-110)

introduces the Application Module and the applications that run on it. It provides a high-level description of the Application Module, Customer Controlled Routing application, hardware, Application Equipment Module, and OA&M software.

**Customer Controlled Routing Installation and Upgrade Guide
(553-3203-210)**

provides a more detailed description of Application Module hardware and cable requirements. Installation procedures include hardware installation, terminal and printer setup, Meridian 1 configuration, CCR configuration, and link configuration.

**Customer Controlled Routing Diagnostic and Maintenance Guide
(553-3202-510)**

provides a summary of the commands used for operations, administration, and maintenance (OA&M) of the Application Module, as well as commands used for maintenance of the links between the Application Module and Meridian 1. Fault clearing and error message chapters help you diagnose any problems with the Application Module or applications, and guide you to any necessary hardware replacement or software recovery procedures.

**Customer Controlled Routing Advanced Maintenance Guide
(553-3203-512)**

describes the use of advanced diagnostic tools, which are used to troubleshoot technical problems with the Application Module.

Meridian MAX 5 Overview (553-4001-911)

introduces the Meridian MAX system, and briefly describes and explains the capabilities of Meridian MAX features and functions. It provides a listing and brief descriptions of the Meridian MAX documents, as well as a master index, which lists the main topics and in which documents they can be found.

Meridian MAX 5 Installation Guide (553-4001-111)

describes the hardware and software installation procedures for Meridian MAX.

Meridian MAX Maintenance and Diagnostics Guide (553-4001-811)

describes the diagnostic messages used by the Meridian MAX system. It lists each system (error) message, and describes the cause of each message, the severity of the problem, and the recovery procedure. Also provides maintenance and administration procedures, and a fault isolation checklist.

Meridian MAX 5 Installation Upgrade Guide for Meridian MAX 3, 4 and 4.6 Systems (553-4001-210)

describes the hardware and software installation procedures for upgrading a Meridian MAX 3 or 4 single-module system to Meridian MAX 5.

Meridian MAX 5 Upgrade Guide for ACD-MAX 3, 4, and ACD-D Systems (553-4001-212)

describes the hardware and software installation procedures for upgrading an ACD-MAX single- or dual-tower system or ACD-D system to Meridian MAX 5.

